

Abstract

Gas turbine, combustion chamber and blade

The invention relates to an open-cooled component for a gas turbine having an outer wall (20) which is subjected to hot gas and which at least partly defines a first cavity (15) for a first medium and in which through-openings (3, 12) are arranged, which through-openings (3, 12) open into the cavity (15) on the one side and into the hot-gas space (21) on the other side, and having at least one second cavity for admixing a second medium, this second cavity being fluidically connected to the through-openings (3, 12).

In order to specify a component for a gas turbine with which flashback and spontaneous ignition during feeding of fuel into the cooling air can be reduced, it is proposed that the second cavity be formed by supply passages (9, 13) which are provided in the outer wall (20) and are connected via transverse passages (4) to the through-openings (3, 12) designed as through-bores, so that the two media cannot be mixed until inside the through-bores.

A combustion chamber for a gas turbine and a gas turbine having such a component are also proposed.

(Fig. 1)